

FIG 1

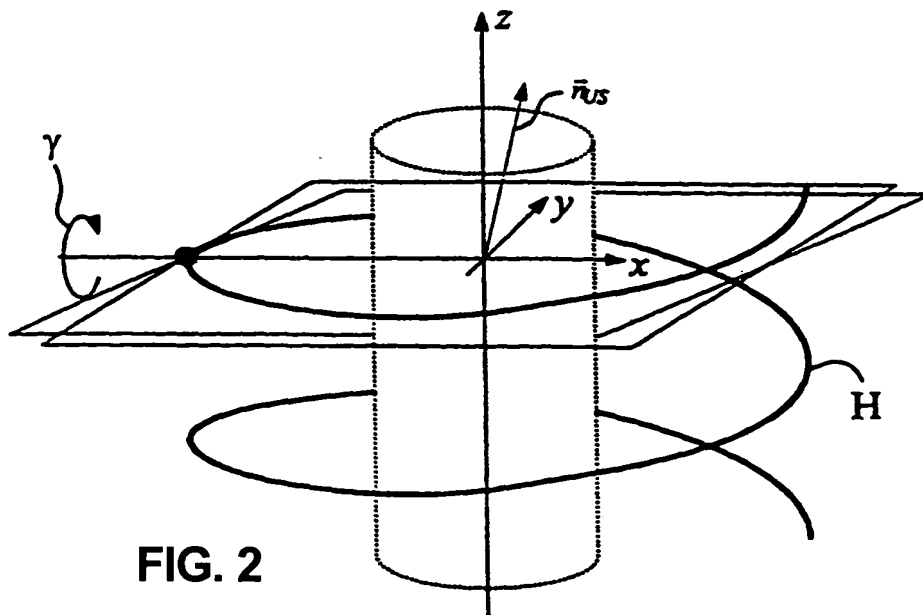
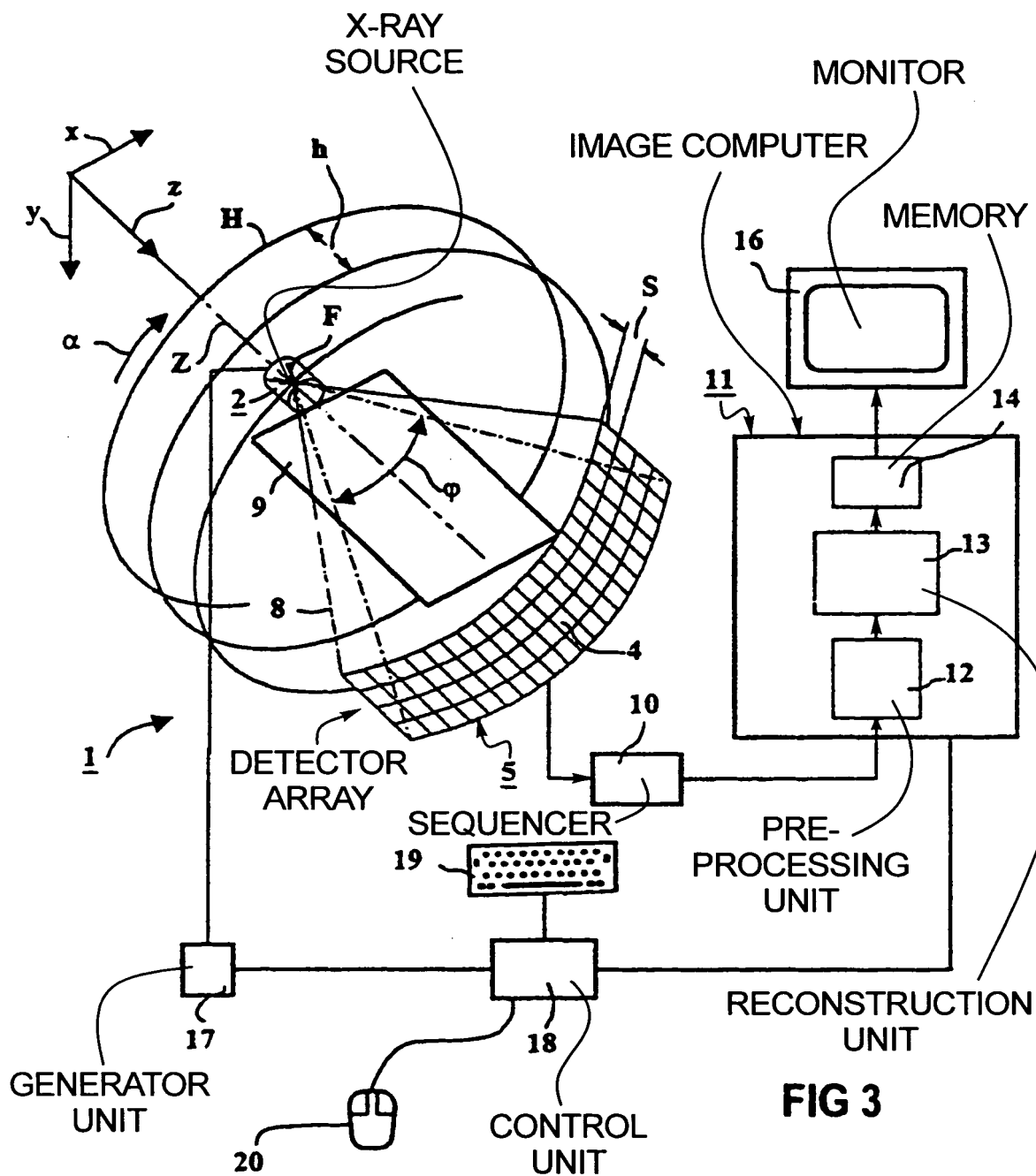
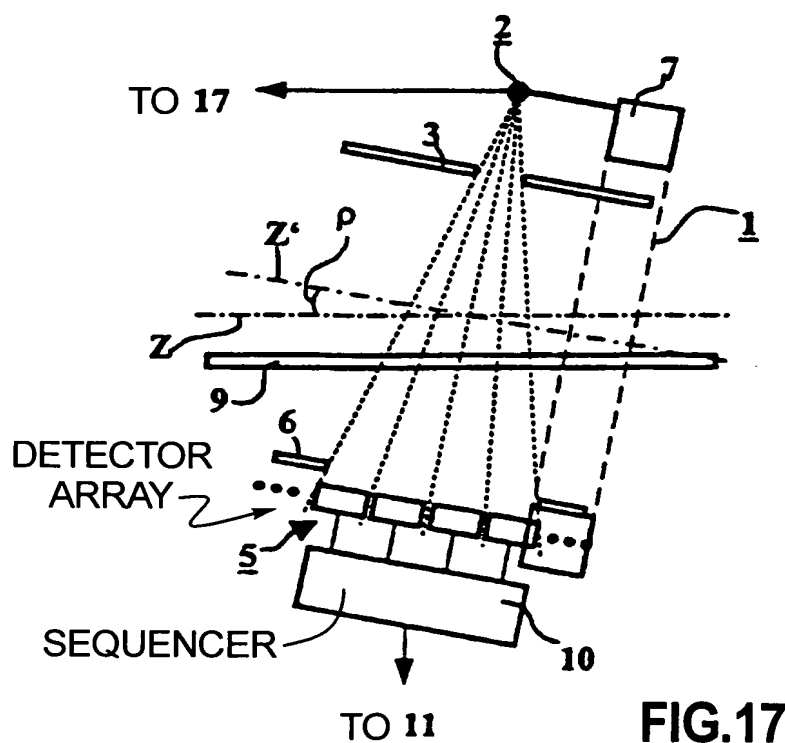
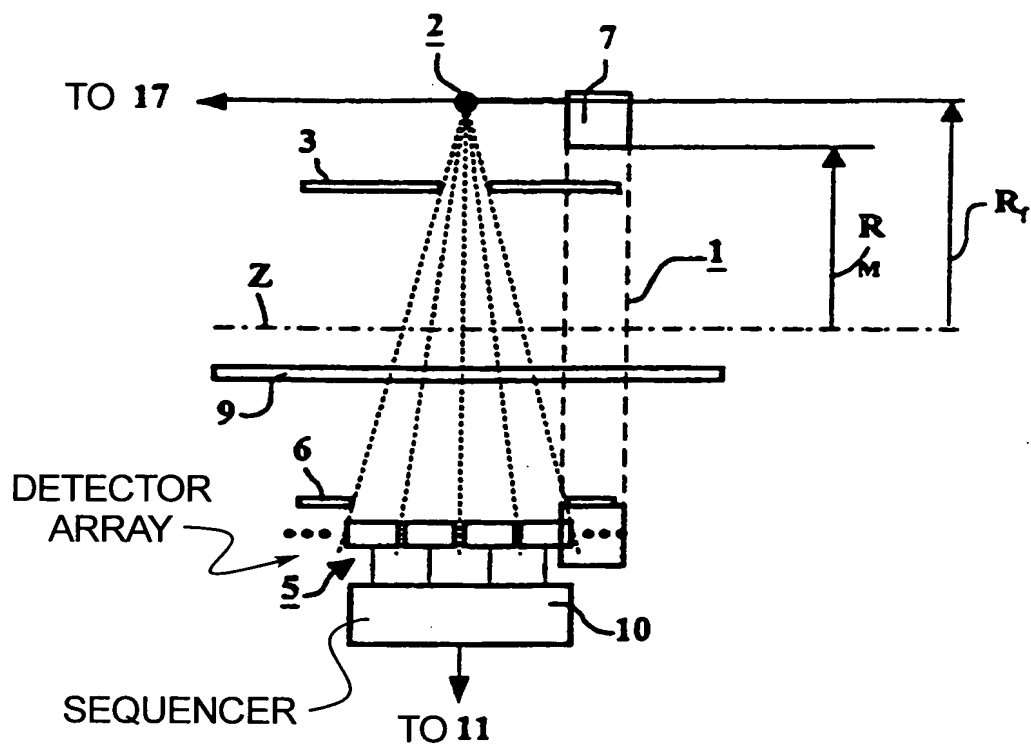


FIG. 2





**FIG 3**



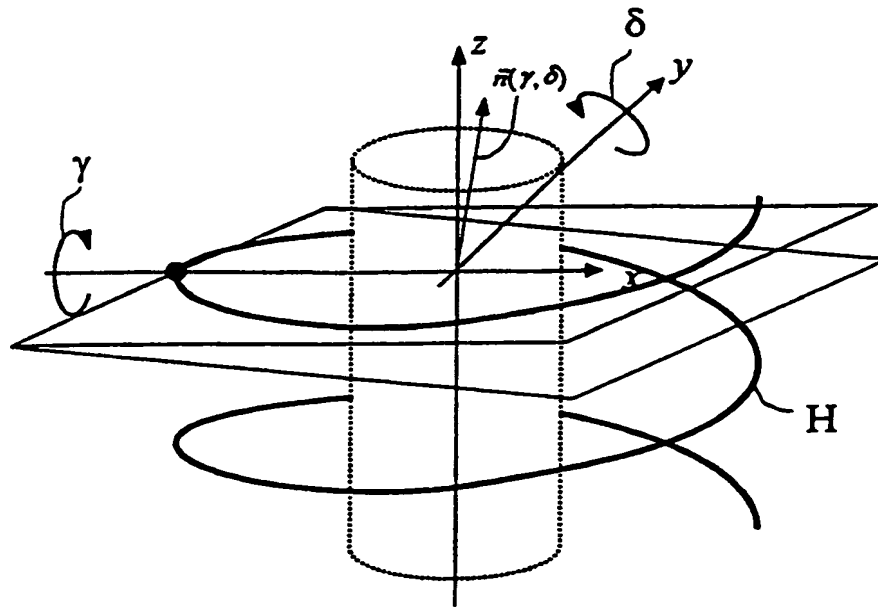


FIG 5

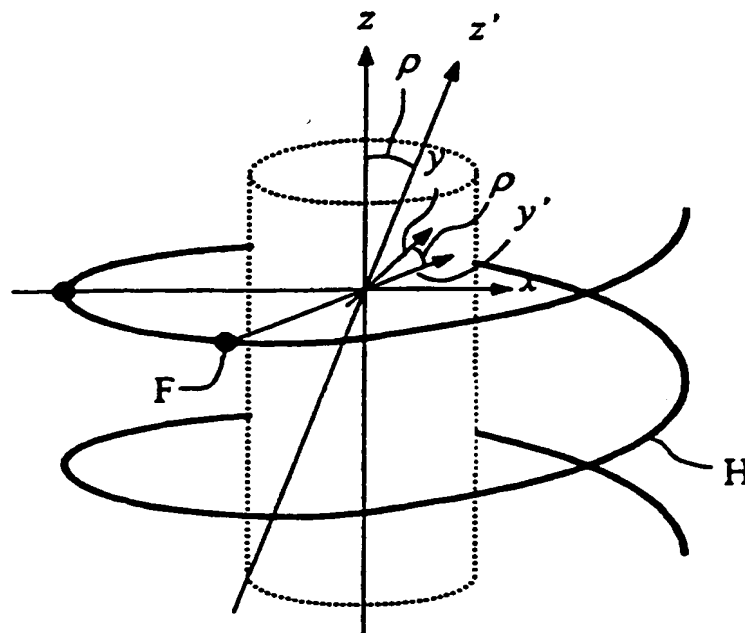


FIG 18

z-distance/S

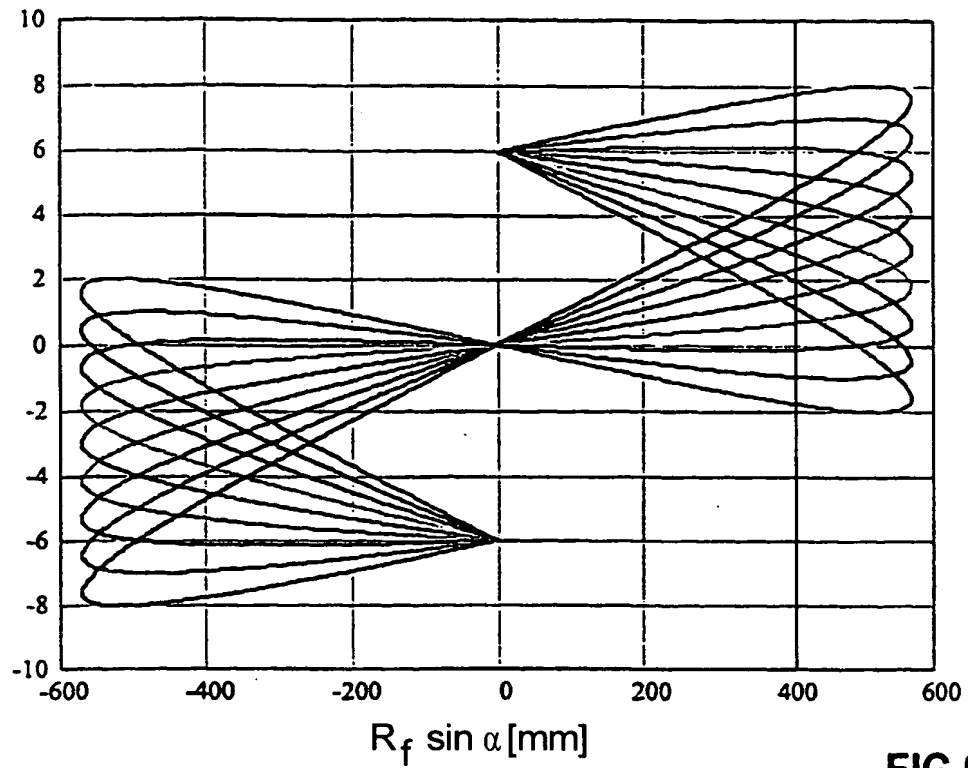


FIG 6

(mean squared distance)<sup>1/2</sup> /s

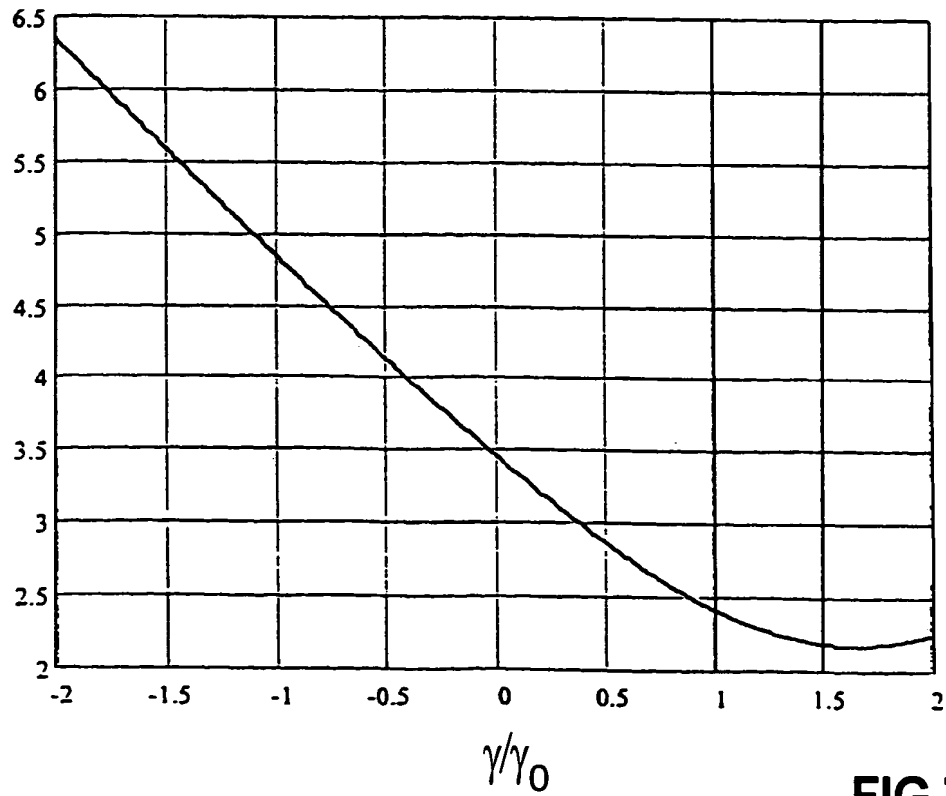
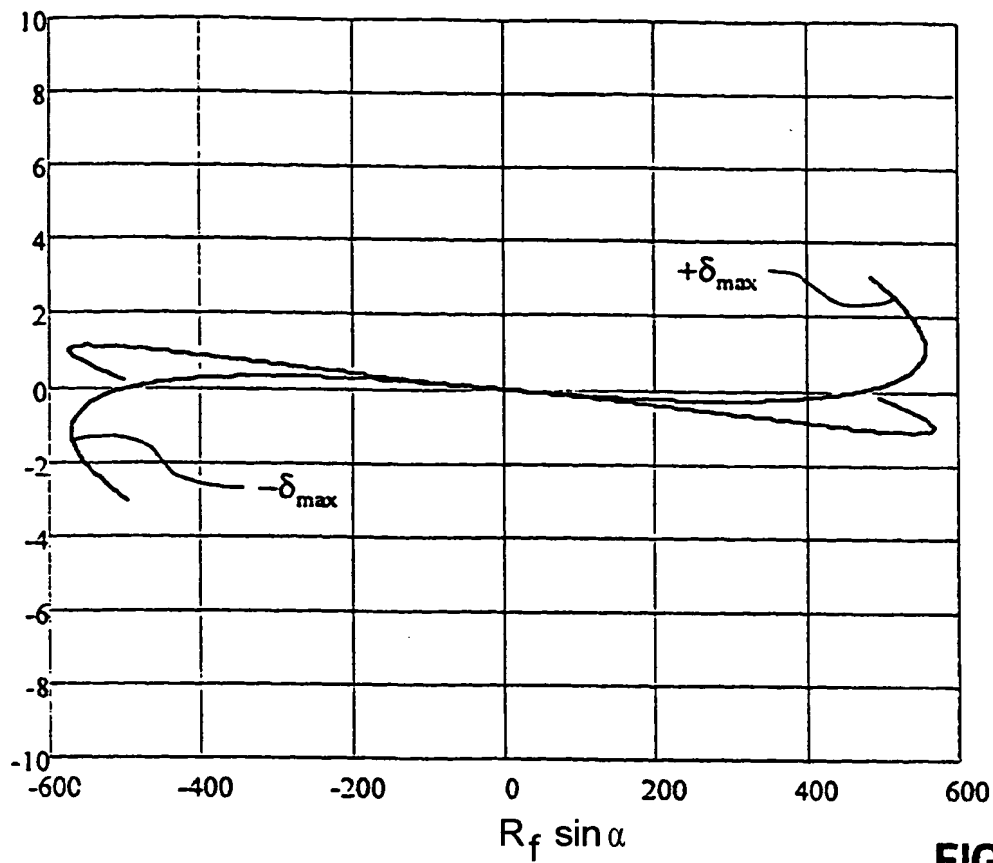
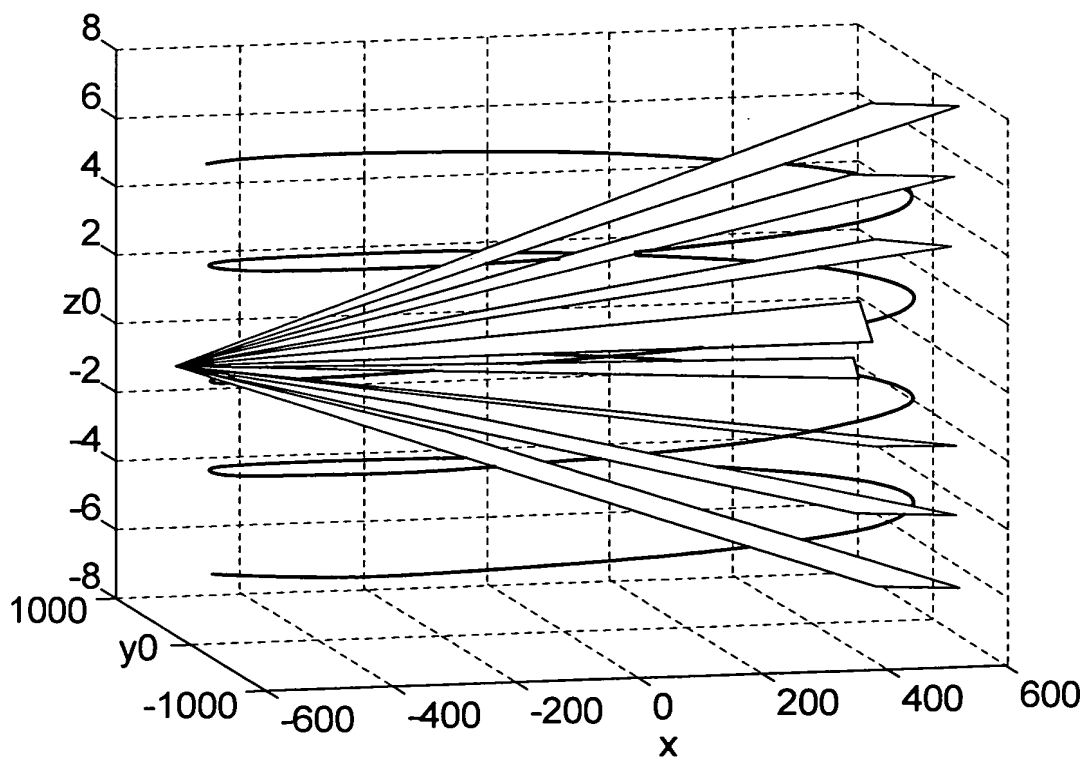


FIG.7

$z\text{-distance}/S$



**FIG 8**



**FIG.16**

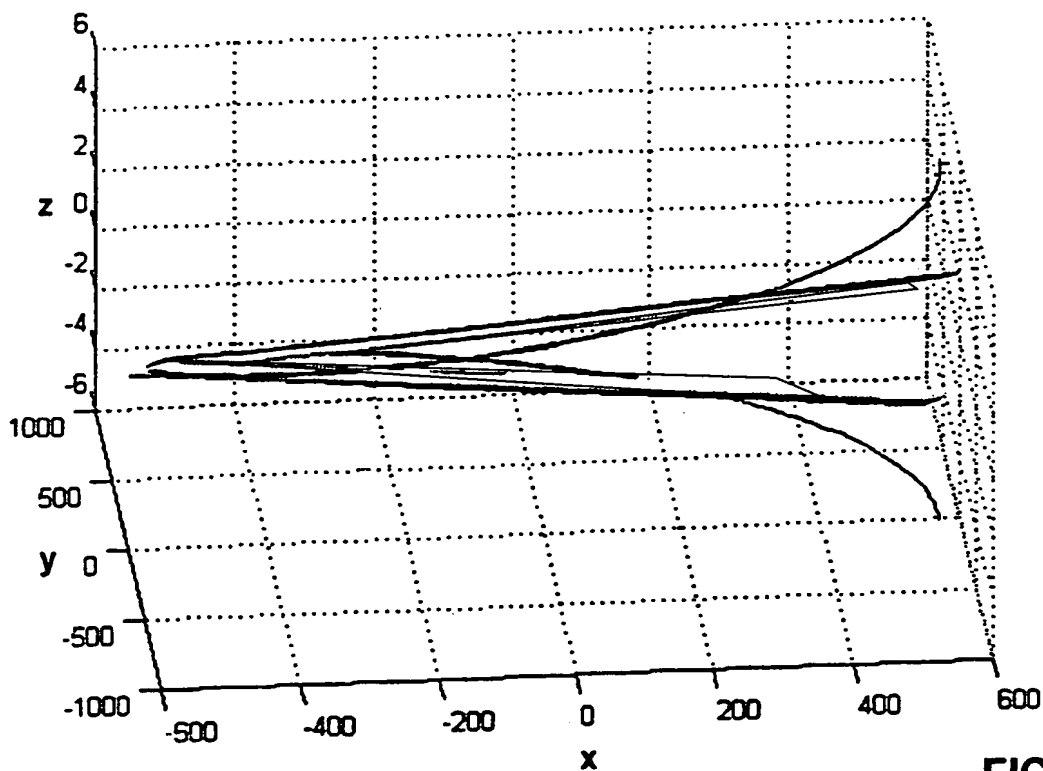


FIG 9

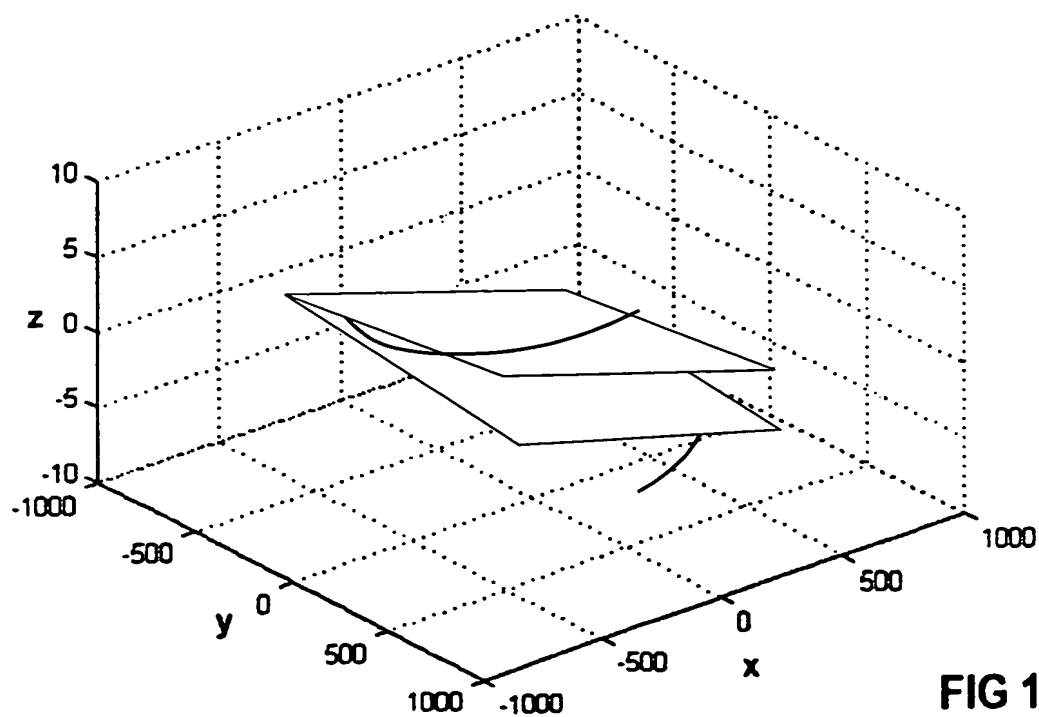
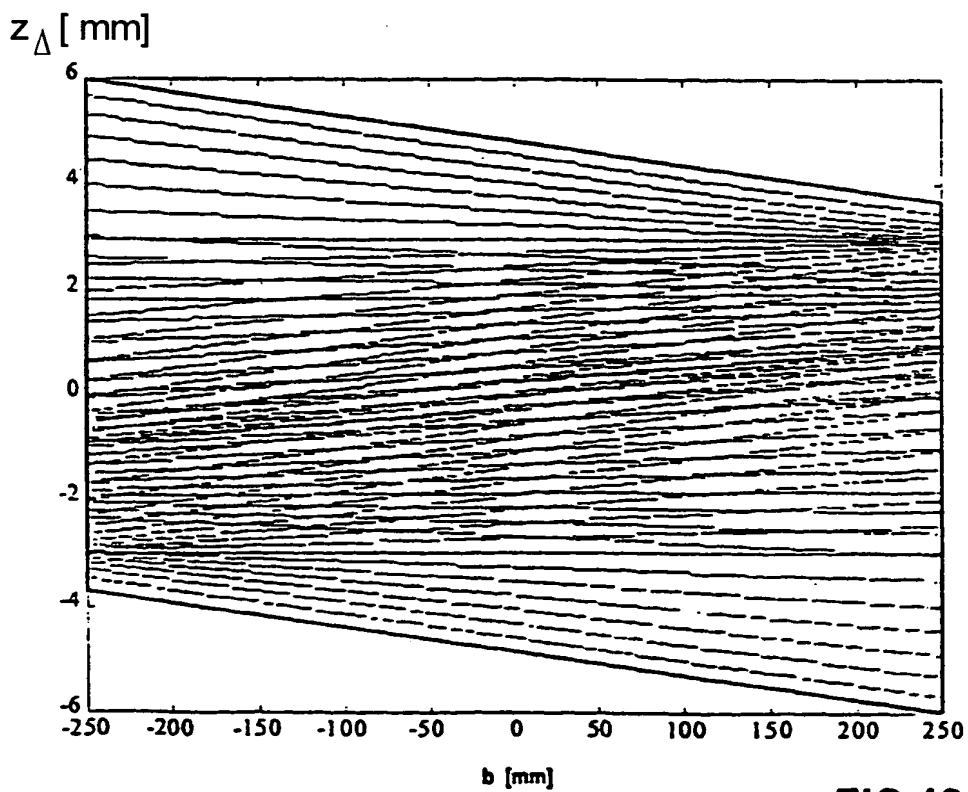
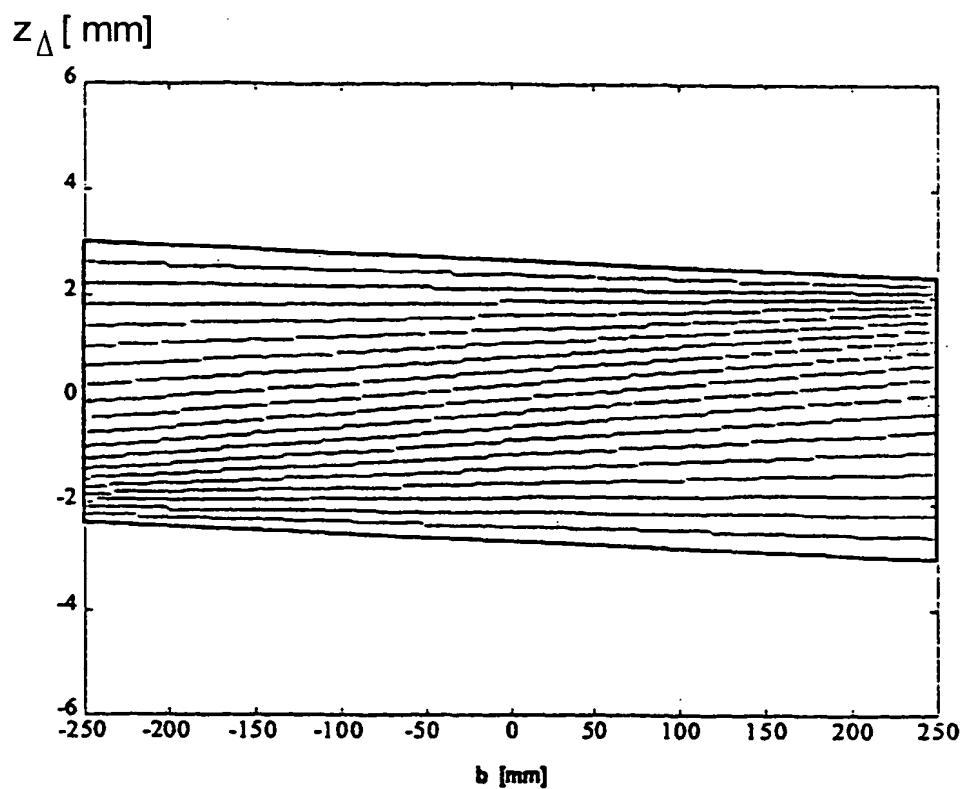
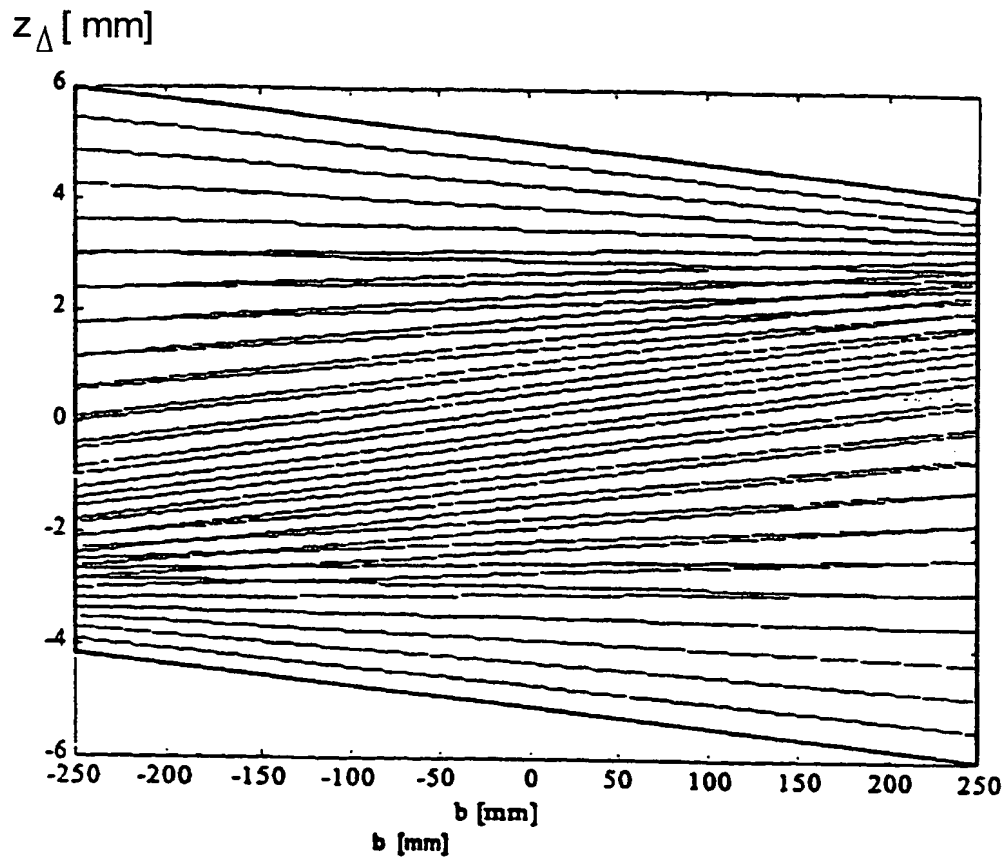


FIG 10







**FIG 13**

max  $\Delta$  (degree)

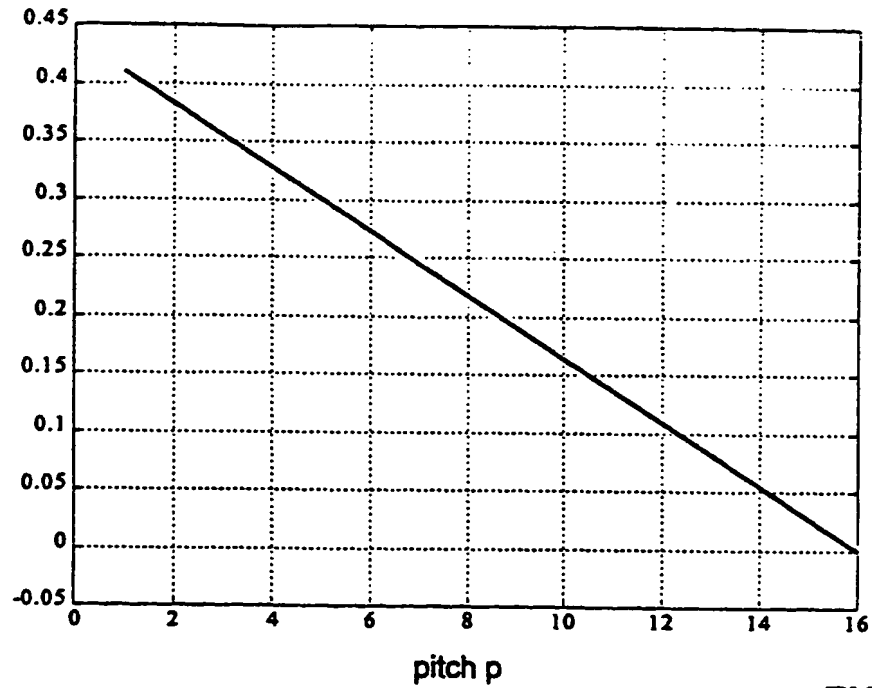


FIG 14

Time interval [s]

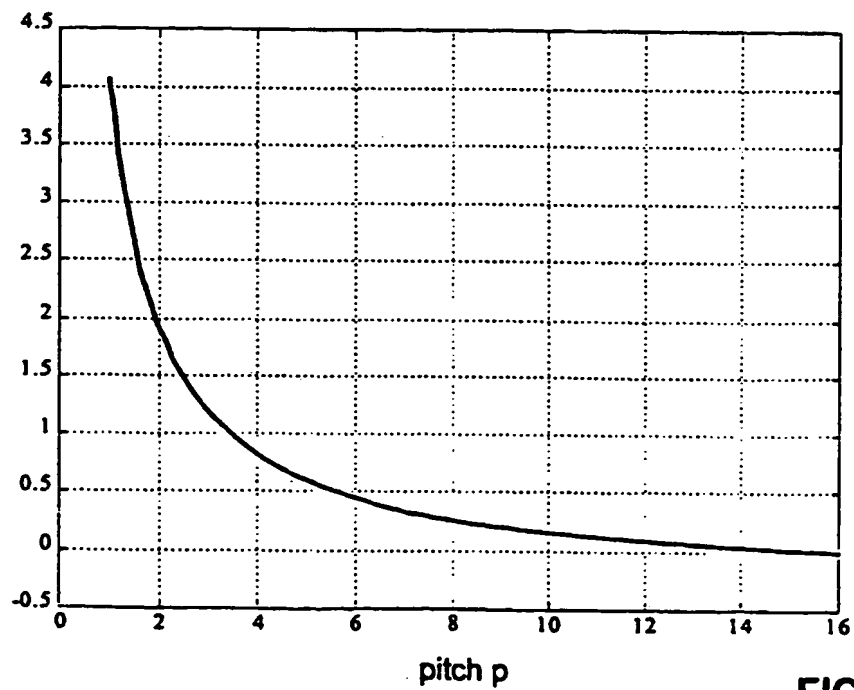


FIG 15

$\gamma$  / degree

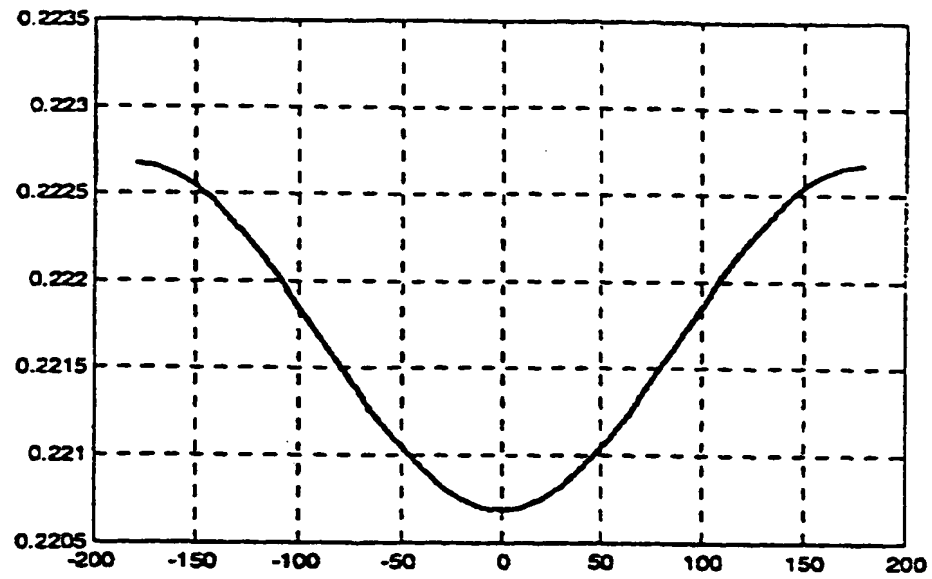


FIG 19

$\Delta$  / degree

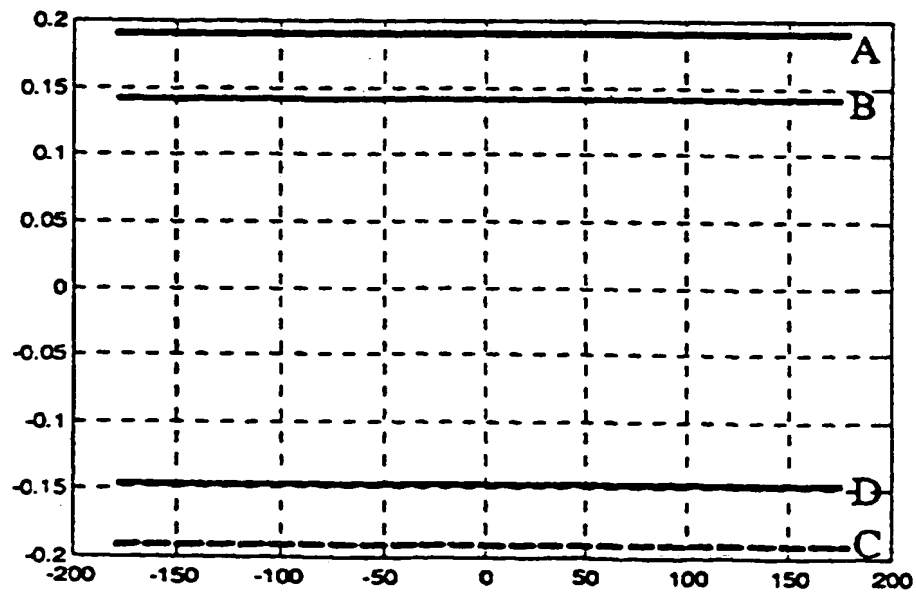
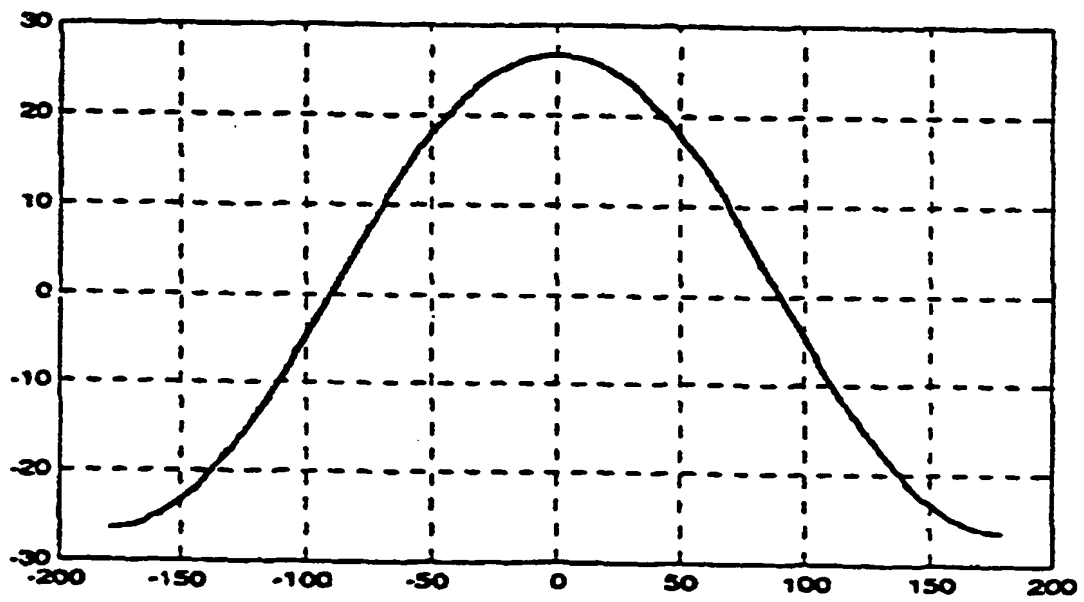


FIG 20

$\gamma$ / degree



**FIG 21**